SEQUENCE LISTING

<110> MA, Jing
GUO, Yajun

<120> ANTIBODIES SPECIFIC FOR CANCER ASSOCIATED ANTIGEN SM5-1 AND USES THEREOF

<130> 549062000100

<140> US 10/722,849
<141> 2003-11-26

<150> CN 03129123.6
<151> 2003-06-06

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 119
<212> PRT
<213> Homo Sapiens

<400> 1
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15
Ser Leu Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30
Val Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
35 40 45
Gly Tyr Ile Val Pro Tyr Asn Asp Gly Thr Lys Tyr Asn Glu Lys Phe
50 55 60
Lys Gly Arg Phe Thr Ile Ser Ser Asp Lys Ser Lys Ser Thr Ala Phe
65 70 75 80
Leu Gln Met Asp Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Gly Ser Arg Tyr Asp Trp Tyr Leu Asp Tyr Trp Gly Gln Gly
100 105 110
Thr Pro Val Thr Val Ser Ser
115

<210> 2
<211> 113
<212> PRT
<213> Homo Sapiens

<400> 2
Asn Ile Met Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
1 5 10 15
Asp Arg Val Thr Ile Thr Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
20 25 30
Ser Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Thr Pro Gly Lys

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        35                  40                  45
Ala Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
    50                  55                  60
Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Tyr Thr Phe Thr
65                  70                  75                  80
Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys His Gln
                85                  90                  95
Tyr Phe Ser Ser Tyr Thr Phe Gly Gln Gly Thr Lys Leu Gln Ile Thr
            100                 105                 110
Arg
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<210> 3
<211> 119
<212> PRT
<213> Mus Musculus

<400> 3

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Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly Ala
 1               5                  10                  15
Ser Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
            20                  25                  30
Val Met His Trp Val Lys Gln Lys Pro Gly Gln Gly Leu Asp Trp Ile
        35                  40                  45
Gly Tyr Ile Val Pro Tyr Asn Asp Gly Thr Lys Tyr Asn Glu Lys Phe
    50                  55                  60
Lys Gly Lys Ala Thr Leu Thr Ser Asp Lys Ser Ser Ser Thr Ala Tyr
65                  70                  75                  80
Met Glu Leu Ser Arg Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
                85                  90                  95
Val Tyr Gly Ser Arg Tyr Asp Trp Tyr Leu Asp Val Trp Gly Ala Gly
            100                 105                 110
Thr Thr Val Thr Val Ser Ser
        115
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<210> 4
<211> 113
<212> PRT
<213> Mus Musculus

<400> 4

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Asn Ile Met Met Thr Gln Ser Pro Ser Ser Leu Ala Val Ser Ala Gly
 1               5                  10                  15
Glu Lys Val Thr Met Ser Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
            20                  25                  30
Ser Asn Gln Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
        35                  40                  45
Ser Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
    50                  55                  60
Pro Asp Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65                  70                  75                  80
Ile Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys His Gln
                85                  90                  95
Tyr Phe Ser Ser Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
            100                 105                 110
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Arg

<210> 5
<211> 357
<212> DNA
<213> Homo Sapiens

<400> 5
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tcctgcaagg catctggcta caccttcacc agctacgtga tgacatgggt gcgccaagcc 120
cccggaaagg gcctcgaatg gattggctac attgtgcctt ataatgacgg tactaagtac 180
aatgaaaagt tcaagggcag atttacaata tcaagtgaca agagcaagtc aaccgcattc 240
ctccaaatgg acagcttgcg tccagaggac accgccgtat actattgtgt gcgcggcagc 300
cgttacgact ggtacttgga ctactggggc caaggcactc cagtcaccgt ctcctct 357

<210> 6
<211> 339
<212> DNA
<213> Homo Sapiens

<400> 6
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atcacttgca aatcctctca gtcagtattg tactccagca accagaagaa ctacctggcc 120
ggatatcagc agactcccgg caaagcccca aagttgctga tttattgggc ctccacgcgc 180
gagtctggcg tgccatcacg ctttagcggc agcgggtccg gtacagatta cacgtttacc 240
attagcagtc tgcagcctga ggacatagcc acctactact gtcaccagta ctttagttcc 300
tacacttttg gccagggaac taaactgcag attactcga 339

<210> 7
<211> 357
<212> DNA
<213> Mus Musculus

<400> 7
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cctgggcagg gccttgactg gattggatat attgttcctt acaatgatgg cactaagtac 180
aatgagaagt tcaaaggcaa ggccacactg acttcagaca aatcctccag cacagcctac 240
atggagctca gcagactgac ctctgaggac tctgcggtct attattgtgt ctacggtagt 300
aggtacgact ggtatttaga tgtctggggc gcagggacca cggtcaccgt ctcctca 357

<210> 8
<211> 339
<212> DNA
<213> Mus Musculus

<400> 8
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atgagctgta agtccagtca aagtgtttta tacagttcaa atcagaagaa ctacttggcc 120
tggtaccagc agaaaccagg gcagtctcct aaactgctga tctactgggc atccactagg 180
gaatctggtg tccctgatcg cttcacaggc agtggatctg ggacagattt tactcttacc 240
atcagcagtg tacaagctga agacctggca gtttattact gtcatcaata tttctcctca 300
tacacgttcg gaggggggac caagctggaa ataaagcgg 339

<210> 9

<211> 119
<212> PRT
<213> Homo Sapiens

<400> 9
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Cys
 1   5   10   15
Ser Leu Arg Leu Ser Cys Ser Ser Ser Gly Tyr Thr Phe Thr Ser Tyr
            20   25   30
Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile
        35   40   45
Gly Tyr Ile Asn Pro Tyr Asn Asp Gly Gly Lys Tyr Asn Glu Lys Phe
    50   55   60
Lys Trp Arg Phe Ser Ile Ser Ser Asp Lys Ser Lys Asn Thr Leu Phe
65   70   75   80
Leu Gln Ser Asp Ser Leu Thr Pro Glu Asp Thr Gly Val Tyr Tyr Cys
                85   90   95
Ala Arg Gly Ser Arg Tyr Asp Trp Tyr Gly Asp Tyr Trp Gly Gln Gly
            100   105   110
Thr Pro Val Thr Val Ser Ser
        115

<210> 10
<211> 113
<212> PRT
<213> Homo Sapiens

<400> 10
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Gly Ser Val Gly
 1   5   10   15
Asp Arg Val Thr Ile Thr Cys Asp Ser Ser Gln Ser Val Leu Tyr Ser
            20   25   30
Ser Lys Asp Asp Asn Tyr Leu Ala Trp Tyr Gln Gln Gly Pro Gly Lys
        35   40   45
Ala Pro Ser Leu Leu Ile Tyr Tyr Ala Ser Asp Arg Glu Ser Asp Val
    50   55   60
Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Asp Asp Tyr Thr Leu Thr
65   70   75   80
Ile Ser Ser Leu Gln Pro Glu Asp Ala Ala Thr Tyr Tyr Cys His Gln
                85   90   95
Trp Phe Ser Ser Tyr Thr Phe Asp Gln Gly Thr Lys Leu Asn Ile Thr
            100   105   110
Arg

<210> 11
<211> 357
<212> DNA
<213> Homo Sapiens

<400> 11
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tcctgcagta gctctggcta caccttcacc agctacacca tgacatgggt gcgccaagcc 120
cccggaaagg gcctcgaatg gattggctac attaatcctt ataatgacgg tgggaagtac 180
aatgaaaagt tcaagtggag attttcaata tcaagtgaca agagcaagaa caccctgttc 240

ctccaaagcg acagcttgac cccagaggac accggcgtat actattgtgt gcgcggcagc 300
cgttacgact ggtacgggga ctactggggc caaggcactc cagtcaccgt ctcctct 357

<210> 12
<211> 339
<212> DNA
<213> Homo Sapiens

<400> 12
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atcacttgcg actcctctca gtcagtattg tactccagca aagacgacaa ctacctggcc 120
ggatatcagc aggggcccgg caaagcccca agcttgctga tttattatgc ctccgaccgc 180
gagtctgacg tgccatcacg ctttagcggc agcgggtccg gtgatgatta cacgctgacc 240
attagcagtc tgcagcctga ggacgccgcc acctactact gtcaccagtg gtttagttcc 300
tacacttttg accagggaac taaactgaac attactcga 339

<210> 13
<211> 22
<212> PRT
<213> Homo Sapiens

<400> 13
Met Asp Phe Gln Val Gln Ile Phe Ser Phe Leu Leu Ile Ser Ala Ser
 1   5   10   15
Val Ile Ile Ser Arg Gly
            20

<210> 14
<211> 67
<212> DNA
<213> Homo Sapiens

<400> 14
atggattttc aggtgcagat tttcagcttc ctgctaatca gtgcctcagt cataatatcc 60
agaggag 67